

CLIMATOLOGICAL DATA FOR SEPTEMBER, 1913.

DISTRICT NO. 1, NORTH ATLANTIC STATES.

Prof. WILFORD M. WILSON, District Editor.

GENERAL SUMMARY.

September was comparatively free from meteorological phenomena of much general interest. The month was somewhat cooler than usual, though temperatures were abnormally high on several dates, especially before the 9th. At many places the weather on the 2d or 3d was the warmest known in any September for 10 years or more. On the other hand, freezing temperatures occurred to a remarkable extent and at an unusually early date. No feature of the month's weather was of greater significance than the frosts that occurred on the 15th and 16th, which were more widespread and injurious than any that have been experienced within the district earlier than the 1st of October for many years.

In some parts of New York the drought of the preceding months was not effectually broken until after the middle of September, when killing frosts had occurred and put an end to the growth of some important crops. In other States rainfall was generally sufficient, owing to the fact that heavy showers fell toward the close of the preceding month, though in most parts of the district the precipitation was very light from the 1st to the 16th.

The following table exhibits the leading features of meteorological interest for the various sections of the district:

States, or parts of States, within District No. 1.	Temperature.				Precipitation.				Average number of—	
	Average.	Departure.	Highest	Lowest.	Average.	Departure.	Greatest total.	Least total.	Rainy days.	Clear days.
New England.....	58.6	-1.4	98	19	3.25	-0.20	7.76	1.23	8	16
New York.....	60.1	-1.1	98	20	3.12	-0.46	8.46	1.35	7	16
Pennsylvania.....	62.4	-1.5	97	25	3.76	+0.12	8.43	1.78	8	13
New Jersey.....	64.4	-1.5	96	27	3.87	-0.08	6.55	1.56	9	13
Maryland, Delaware, and District of Columbia.....	67.4	-0.5	102	32	2.81	-0.67	5.31	1.32	7	14
West Virginia.....	61.5	-3.2	94	26	2.76	+0.29	3.68	1.44	5	12
Virginia.....	66.2	-1.7	94	33	2.31	-0.83	4.00	1.39	6	15

TEMPERATURE.

The average temperature for the month was below the normal at about 85 per cent of the stations, the deficiency being close to $1\frac{1}{2}$ ° at most stations. The monthly mean temperature ranged from 71.8° at Cambridge, Md., to 53.4° at Greenville, Me. Maximum temperatures were considerably higher than usual for September, exceeding 90° even at most stations in Vermont, New Hampshire, and Maine, though they were generally somewhat lower in the coast regions. At Westernport, Md., on the 6th the temperature rose to 102°, the highest recorded in the district during the month.

Temperatures were considerably above the seasonal average until the morning of the 9th when there was a very marked change to cooler. Frosts occurred in some

of the colder sections on the 10th and the weather remained cool until about the middle of the third decade, when another warm period set in. On the 15th and 16th freezing temperatures and killing frosts overspread most of the interior of the district southward to central Pennsylvania. The damage to late crops was greater than has resulted from any autumn frost in these sections for many years.

The lowest temperature recorded in the district was 19° at Greenville, Me., but in New York a record of 20° was made as far south as New Lisbon, Otsego County, and in Pennsylvania several stations recorded temperatures below 30°.

PRECIPITATION.

Precipitation was unevenly and irregularly distributed over the district and occurred at unfavorable intervals in many sections. Except in the smaller New England States a variation of 4 inches or more in the total rainfall was noted in each State southward to Maryland. Thirteen stations in the district reported 6 inches or more rainfall. The greatest amount received at any station was 8.46 inches at Mount Hope, N. Y., and the least was 1.23 at Woodstock, Vt. The greatest amount of rainfall for a 24-hour period was 4.05 inches at Chatham, N. J.

In some sections there were generous showers on the 4th, 5th, 8th, and 13th, but extensive areas received very little rain before the 17th of the month. At that time there began a period of rainy weather that continued for five or six days. There was little or no rain during the last week of the month.

The principal storm of the month passed over the district between the 20th and the 23d, the heaviest rainfall at most stations occurring on the 21st and early morning of the 22d. At quite a number of stations in the northern part of the district this storm gave more than 2.50 inches of rain within 24 hours, 4.02 inches falling at Farmington, Me., on the 22d, and perhaps one-third of the district receiving 2 inches or more during the progress of this storm area. Heavy rains with some instances of precipitation at excessive rates occurred also on the 4th, 7th, and 18th or 19th.

The number of rainy days averaged 7, which is slightly less than usual for September.

MISCELLANEOUS.

Rivers were at low to moderate stages throughout the month and without any noteworthy incidents. The amount of sunshine was close to the September normal. The number of hours of sunshine averaged 212, which is 18 more than the average for September last year; the greatest number of hours recorded being 243 at Albany, N. Y., and Atlantic City, N. J., and the least 171 hours at Hartford, Conn. The number of clear days averaged 14, partly cloudy days 8, and cloudy days 8.

TABLE 1.—*Climatological data for September, 1913. District No. 1, North Atlantic States.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days 0.01 inch or more.	Number of clear days.	Number of part- ly cloudy days.	Number of cloudy days.	Prevailing wind direc- tion.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.							
Maine.																					
Bar Harbor.	Hancock.	20	27	55.3	- 2.3	83	3	32	16	40	2.15	- 1.53	0.84	0	6	22	2	6	se.	William Miller.	
Cornish.	York.	778	53	59.8	+ 1.0	96	3	28	15	47	3.63	+ 0.01	1.94	0	8	14	8	8	ne.	T. H. West.	
Eastport.	Washington.	53	41	54.6	- 0.6	81	3	37	30	27	1.69	- 1.28	0.73	0	10	12	11	7	sw.	U. S. Weather Bureau.	
Fairfield.	Somerset.	90	28	57.2	- 0.5	88	3	30	15	40	2.81	- 0.32	1.45	0	4	13	6	11	se.	E. F. Parker.	
Farmington.	Franklin.	450	16	55.8	- 2.3	91	3	28	15	41	6.00	+ 2.38	4.02	0	3	13	9	9	nw.	State Normal School.	
Gardiner.	Kennebec.	163	21	58.2	- 1.6	90	3	32	15	40	4.85	+ 1.61	1.63	0	9	18	2	10	sw.	Samuel D. Soule.	
Greenville.	Piscataquis.	1,140	9	53.4	.....	85	3	30	28	40	4.30	+ 0.70	2.40	0	6	22	2	6	se.	U. S. Weather Bureau.
Houlton.	Aroostook.	362	11	54.2	.....	84	2 [†]	30	17	38	2.10	- 1.03	1.50	0	3	16	7	7	sw.	Bangor & Aroostook R. R.
Lewiston.	Androscoggin.	185	32	58.2	- 1.0	94	3	34	15	35	4.03	+ 0.49	2.15	0	9	16	6	8	s.	Union Water Power Co.	
Madison.	Somerset.	257	10	55.9	.....	92	4	31	28	41	4.85	+ 0.43	3.50	0	8	21	0	9	s.	William Jardine.
Millinocket.	Penobscot.	386	10	55.8	.....	86	3	30	15	39	3.79	- 0.71	2.24	0	10	19	2	9	w.	F. C. Bowler.
North Bridgton.	Cumberland.	450	20	59.8	0.0	95	3	34	16	39	4.16	+ 0.33	1.98	0	8	12	6	6	sw.	G. E. Chadbourne.	
Orono.	Penobscot.	129	42	56.8	- 0.3	90	3	29	16	40	4.42	+ 0.85	1.12	0	9	17	8	5	sw.	Department of Physics.	
Patten.	do.	550	11	63.4 ^d	.....	86 ^d	2	26 ^d	29	47 ^d	1.65	.....	1.00	0	3	16 ^d	4 ^d	6 ^d	sw.	Bangor & Aroostook R. R.
Portland.	Cumberland.	99	42	58.3	- 1.3	84	3	39	15	26	3.46	+ 0.26	1.69	0	10	16	6	8	nw.	U. S. Weather Bureau.	
Presque Isle.	Aroostook.	4	53.2	.....	84	3	26	10	47	2.01	.....	1.25	0	5	19	5	6	nw.	E. M. Libby.	
Rumford Falls.	Oxford.	505	20	57.0	- 0.8	92	3	34	16	34	4.12	+ 0.76	2.65	0	8	19	5	6	nw.	Charles A. Mixer.	
Van Buren.	Aroostook.	510	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	9	15	2	9	sw.	J. M. Thomas.
Winslow.	Kennebec.	90	18	56.0	.....	92	3	30	16	42	3.74	+ 0.36	.....	0	9	21	1	8	sw.	Hollingsworth & Whitney Co.
New Hampshire.																					
Alstead Center.	Cheshire.	1,120	9	57.0	- 2.3	85	3	32	15	33	2.11	- 1.21	0.72	0	9	16	3	11	sw.	Frank Dewing.	
Benton.	Grafton.	4	54.8	.....	89	3	28	15 [†]	40	2.81	.....	0	8	20	2	8	sw.	State Sanatorium.		
Bethlehem.	do.	1,470	21	55.2	- 1.3	88	3	28	15	39	2.74	- 0.98	1.24	0	5	19	5	6	sw.	Benjamin Tucker.	
Concord.	Merrimack.	350	53	58.3	- 0.8	91	3	25	15	38	3.26	+ 0.05	2.36	0	8	15	5	10	nw.	U. S. Weather Bureau.	
Durham.	Stafford.	88	18	58.6	- 1.9	90	3	30	15	38	1.38	- 2.98	0.48	0	7	21	2	7	ne.	Agricultural Exp. Station.	
Franklin.	Merrimack.	440	14	59.0	- 0.9	91	3	28	15	44	3.16	- 1.10	2.23	0	9	15	8	7	w.	Dr. C. P. Webster.	
Grafton.	Grafton.	863	27	56.4	- 0.5	91	3	19	16	52	2.37	- 1.18	1.60	0	8	21	2	7	sw.	P. R. Kimball.	
Hanover.	do.	603	79	57.4	- 0.4	93	3	25	15	51	2.42	- 1.15	0.91	0	8	16	5	8	nw.	Dartmouth College.	
Keene.	Cheshire.	506	28	57.8	- 1.3	88	2	25	15	46	1.65	- 2.36	0.54	0	11	16	6	8	nw.	Samuel Wadsworth.	
Nashua.	Hillsboro.	125	28	60.8	- 0.3	90	2	31	15	39	3.49	+ 0.12	1.76	0	8	15	2	13	sw.	C. B. Stevens.	
Newton.	Rockingham.	25	57.0	- 3.1	87	3	27	15	39	2.28	- 1.31	0.89	0	8	14	10	6	se.	W. C. Gale.		
Plymouth.	Grafton.	500	25	56.8	- 0.6	90	3	26	16	44	2.91	- 0.63	2.23	0	6	19	1	10	sw.	Hattie G. Trow.	
Vermont.																					
Bloomfield.	Essex.	6	55.2	.....	87	3	26	15	43	2.48	.....	0.98	0	10	15	6	9	s.	Lyman Falls Power Co.	
Cavendish.	Windsor.	910	10	54.6	- 1.6	89	3	21	15	47	1.74	- 1.27	0.88	0	7	17	7	6	n.	E. D. Kingsbury.	
Chelsea.	Orange.	840	18	54.6	.....	89	3	21	15	47	1.74	- 1.27	0.88	0	7	17	7	6	n.	W. F. Dewey.
Manchester.	Bennington.	980	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	5	16	7	9	n.	N. M. Canfield.
Somerset.	Windham.	2,096	1	53.6	.....	85	3	24	15	44	3.49	.....	2.04	0	11	12	6	12	sw.	Power Construction Co.
St. Johnsbury.	Caledonia.	711	20	56.6	- 0.8	91	3	26	15	44	1.45	- 1.80	0.96	0	5	16	7	7	nw.	Fairbanks Museum.	
Woodstock.	Windsor.	700	21	58.0	+ 1.3	90	3	26	15	43	1.23	- 1.60	0.91	0	5	13	4	13	sw.	John S. Eaton.	
Massachusetts.																					
Amherst.	Hampshire.	222	24	60.1	- 0.1	88	2	31	15	42	2.56	- 0.97	0.67	0	11	10	8	12	s.	Agricultural Exp. Station.	
Blue Hill.	Norfolk.	840	28	59.2	- 1.8	85	2	35	15	25	2.77	- 1.73	1.04	0	9	14	4	12	sw.	Blue Hill Observatory.	
Boston.	Suffolk.	124	43	62.0	- 0.7	86	3	41	15	24	2.51	- 0.68	0.75	0	9	14	7	9	sw.	U. S. Weather Bureau.	
Chestnut Hill.	do.	124	33	61.5	- 1.4	87	2	35	15	31	3.07	- 0.20	1.01	0	9	21	2	7	sw.	Metropolitan Water Board.	
Clinton.	Worcester.	370	17	59.4	.....	84	2	34	14	30	4.24	.....	0	0	9	13	6	11	s.	Do.
Concord.	Middlesex.	139	23	58.4	- 2.7	87	2	28	15	38	2.23	- 0.51	1.03	0	8	13	6	11	s.	Fred A. Tower.	
Fall River.	Bristol.	200	47	61.0	- 2.9	80	8	40	15	21	2.05	- 0.77	0.75	0	9	12	14	4	ne.	C. V. S. Remington.	
Fitchburg.	Worcester.	550	30	60.3	- 0.8	89	2	34	15	34	5.03	+ 1.34	2.83	0	9	16	2	12	e.	Dr. A. P. Mason.	
Framingham.	Middlesex.	160	33	60.8	- 1.2	86	2	31	15	38	3.89	+ 0.76	1.11	0	8	13	8	7	sw.	Metropolitan Water Board.	
Hyannis.	Barnstable.	31	22	60.6	- 4.0	78	2	41	15	18	3.07	+ 0.57	0.75	0	9	17	8	5	sw.	C. F. Sleeper.	
Lawrence.	Essex.	51	26	60.6	- 1.2	90	3	35	15	36	2.41	- 0.97	0.64	0	8	14	10	6	sw.	Essex Co.	
Lowell.	Middlesex.	100	28	62.0	0.0	87	2	35	15	34	3.72	+ 0.36	1.56	0	6	12	11	12	sw.	Proprietary Locks & Canals.	
Middleboro.	Plymouth.	53	27	59.1	- 1.8	84	2	30	15	38	2.77	- 1.22	0.88	0	9	5	13	12	sw.	A. R. Gurney.	
Nantucket.	Nantucket.	47	21	61.6	- 1.2	79	2	47	16	19	7.78	+ 5.03	3.15	0	10	12	11	12	sw.	U. S. Weather Bureau.	
New Bedford.	Bristol.	88	101	59.2	- 2.7	80	2	38	15	30	3.48	- 0.06	0.92	0	8	17	4	9	sw.	City Engineer.	
Norfolk.	Norfolk.	244	10	59.6	.....	91	3	24	15	43	1.37	.....	1.63	0	6	18	4	8	sw.	Ruby H. Martyn.
Plymouth.	Plymouth.	28	57.9	.....	81	3	38	15 [†]	30	3.73	.....	1.05	0	7	18	0	14	sw.	Laura B. Knapp.	
Provincetown.	Barnstable.	40	26	60.6	- 3.2	76	3	44	16	20	3.27	+ 0.01	1.03	0	7	18	0	12	sw.	Gideon Bowley.	
Rockport.	do.	25	11	59.4	.....	81	3	42	28	23	3.64	.....	0.70	0	9	13	8	9	sw.	C. F. P. Bearse.
Rutland.	Essex.	1,160	11	59.1	.....	85	2	38	15	35	4.03	+ 1.04	1.20	0	7	19	3	8	n.	State Sanatorium.
Turners Falls.	Franklin.	200	28	59.4	- 1.4	83	2	32	15	34	2.50	- 0.77	1.70	0	5	17	4	9	sw.	Turners Falls Co.	
Westboro.																					

TABLE 1.—Climatological data for September, 1913. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.			Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unadjusted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
New York.																					
Addison.	Steuben.	1,000	23	62.0	-0.2	98	3	29	15	47	1.76	-1.15	0.80	0	5	20	4	6	sw.	Dr. H. R. Ainsworth.	
Albany.	Albany.	97	92	61.7	-0.6	89	2	35	15	33	1.79	-1.39	0.91	0	7	13	6	6	s.	U. S. Weather Bureau.	
Allegany.	Allegany.	1,976	18	59.8	0.0	92	3	28	14 ⁺	42	1.60	-1.83	0.65	0	6	19	1	10	e.	F. S. Place.	
Amsterdam.	Montgomery.	277	9	59.2	-0.9	94	3	27	15	43	2.08	-2.25	1.22	0	5	16	7	7	sw.	Emery Elmwood.	
Athens.	Greene.	90	11	62.4	+0.9	90 ⁺	2 ⁺	32	15	35	2.02	-2.35	2.03	0	5	16	5	9	s.	E. C. Brooks.	
Ballston Lake.	Saratoga.	400	9	58.6	-0.8	87 ⁺	2 ⁺	24	15	43	2.49	+0.32	1.09	0	10	31	11	8	w.	Geo. R. Schaeber.	
Bedford.	Westchester.	450	22	61.4	-2.9	88	4	37	16	31	3.45	+0.16	1.39	0	8	17	3	10	ne.	Dr. L. Rosenberg.	
Beerston.	Delaware.	1,214	1	61.2	-	89	2	29	15	41	2.71	+0.16	2.37	0	7	9	7	14	sw.	John Q. Barlow.	
Binghamton.	Broome.	875	22	61.1	+1.1	90	3	29	15	37	2.93	+0.20	2.04	0	9	11	6	13	nw.	U. S. Weather Bureau.	
Bouckville.	Madison.	1,350	16	58.9	0.8	90	3	27	15	35	3.18	+0.30	1.35	0	7	15	2	13	nw.	L. W. Griswold.	
Boyd's Corners.	Putnam.	560	31	58.9	-0.5	85	3	27	15	40	4.88	+0.30	1.37	0	6	23	2	5	do.	Thos. Manning.	
Carmel.	do.	500	21	60.8	-2.6	86	2	36	15	34	4.46	-0.33	1.91	0	7	15	2	13	nw.	Morton R. Tank.	
Chatham.	Columbia.	470	12	60.4	-1.4	88	2	30	15	39	3.04	-0.69	1.60	0	7	17	5	8	n.	Miss Elizabeth C. Keese.	
Cooperstown.	Otsego.	1,250	59	57.8	-0.5	85	3	27	15	40	2.73	-0.69	1.37	0	7	23	2	5	s.	A. M. Hollister.	
Corinth.	Saratoga.	542	11	51	60.2	+2.3	91	3 ⁺	26	15	39	2.35	-1.07	1.70	0	8	13	5	7	nw.	F. G. Baker.
Cortland.	Cortland.	1,129	51	63.8	-1.9	84	2	41	16	29	2.96	-1.33	1.73	0	9	14	12	4	sw.	Wm. A. Fleet.	
Cutchogue.	Suffolk.	32	32	63.8	-0.3	92	3	22	15	49	3.20	-0.88	1.15	0	8	15	6	9	nw.	B. D. Crandall.	
De Ruyter.	Madison.	1,300	10	58.5	-1.4	92	3	33	15	38	3.27	+0.45	2.50	0	5	14	6	10	sw.	T. A. Brown.	
Elmira.	Chemung.	863	30	61.4	-1.4	92	3	30	15	42	2.02	-1.60	1.75	0	4	13	6	11	sw.	Prof. C. L. Williams.	
Glens Falls.	Warren.	340	22	60.6	0.0	91	3	28	15	43	2.89	-0.68	2.20	0	7	14	11	5	w.	W. L. McLean.	
Gloversville.	Fulton.	850	21	58.4	-1.0	91	3	25	15	43	2.88	-0.68	2.20	0	7	14	11	5	sw.	S. E. Darrows.	
Greenfield Center.	Saratoga.	314	15	59.0	-2.2	88	2	29	15	40	2.06	-2.32	1.35	0	4	18	5	7	nw.	Harold O. Judd.	
Griffin Corners.	Delaware.	2,260	13	58.9	-	87	1	37	15	28	1.35	-1.37	0.90	0	3	1	1	1	sw.	W. G. Collins.	
Hastingsville.	Steuben.	18	18	58.9	-	87	1	37	15	28	1.35	-1.37	0.90	0	3	1	1	1	sw.	S. L. Cluett.	
Hoosick Falls.	Rensselaer.	410	11	54.4	-2.8	91	3	20	15	48	2.77	-0.95	2.00	0	6	17	8	5	w.	Lester Sevile, Jr.	
Indian Lake.	Hamilton.	1,705	14	54.4	-	88	2	28	15	42	3.48	-1.01	1.93	0	6	19	4	7	se.	Chas. Wilfert, Jr.	
Jeffersonville.	Sullivan.	1,240	1	59.0	-	88	2	28	15	39	2.96	-1.01	1.93	0	6	18	3	9	se.	Dr. H. M. King.	
Liberty.	do.	2,300	31	58.3	+0.3	82	3 ⁺	33	16	37	4.73	+1.35	1.50	0	6	22	3	5	w.	O. J. Dempster.	
Little Falls.	Herkimer.	924	15	58.8	-1.6	92	3	29	15	35	2.26	-1.13	1.50	0	9	18	3	9	nw.	Daniel Smiley.	
Mohonk Lake.	Ulster.	1,245	17	60.8	-0.5	85	2	36	15	29	4.05	-0.97	1.75	0	9	18	3	9	sw.	T. C. Remenda.	
Morehouseville.	Hamilton.	1,697	5	54.3	-	87	1	23	15	41	2.57	-	1.96	0	3	27	2	1	w.	I. M. Charlton.	
Morrisville.	Madison.	1,325	1	58.7	-	89	3 ⁺	23	15	41	2.92	-	2.50	0	5	23	3	4	nw.	W. A. Cornelius.	
Mount Hope.	Westchester.	200	16	62.9	-1.1	83	2	38	16	29	8.46	+4.53	1.75	0	9	6	14	10	sw.	W. S. Stanton.	
Mount McGregor.	Saratoga.	1,060	1	62.7	-	87	1	37	15	28	1.81	-0.41	1.15	0	3	21	5	4	sw.	Lyman D. Clinton.	
Newark Valley.	Tioga.	825	26	58.9	-2.0	90	2 ⁺	28	15	42	1.87	-1.63	0.88	0	6	16	6	8	sw.	Chas. F. Sarle.	
New Berlin.	Chenango.	1,090	6	58.8	-1.6	88	3	20	15	47	2.72	-1.48	1.40	0	8	11	11	5	nw.	G. A. Yates.	
New Lisbon.	Otsego.	1,234	23	55.8	-1.9	85	2	37	15	40	2.24	-1.69	3.44	0	11	20	9	7	sw.	U. S. Weather Bureau.	
New York City.	New York.	314	5	64.6	-	85	2	47	14	20	5.28	+1.69	2.50	0	3	19	2	9	sw.	W. G. Kenwell.	
North Creek.	Warren.	1,002	10	56.9	-	94	3	26	16	46	2.70	-	2.31	0	5	19	6	10	sw.	P. C. Pickard.	
Northville.	Fulton.	742	11	58.9	-	91	1	37	15	46	2.69	-1.63	0.88	0	6	16	6	8	sw.	H. W. Lee.	
Oneonta.	Otsego.	1,112	19	59.9	-2.0	90	2 ⁺	28	15	42	1.87	-1.63	0.88	0	6	16	6	8	sw.	J. P. Davis.	
Oxford.	Chenango.	916	48	59.0	-0.1	86	2 ⁺	27	15	38	3.20	-0.40	1.47	0	6	11	11	8	se.	Prof. Thos. Colby.	
Oyster Bay.	Nassau.	40	9	61.5	-1.8	89	4	31	15 ⁺	44	2.54	-1.29	0.99	0	8	15	7	8	nw.	W. H. Nearpass.	
Port Jervis.	Orange.	470	29	61.5	-2.1	88	4	30	15	45	2.95	-1.03	1.72	0	10	19	4	7	sw.	C. H. Heckler.	
Roslyn.	Nassau.	215	1	62.8	-	86	8	40	15	26	2.95	-1.59	1.72	0	4	19	9	2	w.	Joseph Ryan.	
Salsbury.	Herkimer.	1,526	16	55.6	-3.6	87	2	22	15	38	3.25	-1.59	2.00	0	9	18	8	8	ne.	C. H. Wilmarth.	
Scarsdale.	Westchester.	200	9	62.0	-	85	4	38	15	34	4.13	-0.47	0.97	0	10	15	6	9	s.	Selah B. Strong.	
Setauket.	Suffolk.	40	28	63.2	-1.8	84	4	42	16	24	3.79	+0.18	0.97	0	8	17	6	7	nw.	Wm. M. Kling.	
Sharon Springs.	Schoharie.	821	0	59.5	-	91	3	25	15	46	1.89	-	1.22	0	8	17	6	7	sw.	D. G. Trow.	
Sherburne.	Chenango.	6	12	63.0	-1.5	82	8	40	15	25	3.90	+0.72	1.00	0	10	16	9	5	se.	W. L. Jagger.	
Southampton.	Suffolk.	36	12	63.0	-1.5	82	8	40	15	25	3.42	-0.83	1.63	0	5	18	7	5	sw.	Thos. Manning.	
Southeast Reservoir.	Putnam.	310	18	59.3	-	90	2 ⁺	22	15	50	2.39	-	2.00	0	6	13	9	8	sw.	F. H. Bildereck.	
South Edmeston.	Otsego.	1,300	1	59.3	-	87	3	28	14	33	2.01	-2.00	1.29	0	6	13	9	8	s.	Geo. E. Fifield.	
Splinter Falls.	Saratoga.	400	12	53.6	-1.4	92	3	40	16	32	6.52	+2.78	1.33	0	4	10	12	12	w.	C. W. Young.	
Trenton Falls.	Oneida.	751	10	58.9	-	87	1	37	15	43	3.24	-0.13	2.05	0	6	15	11	4	sw.	R. S. Marshall.	
Tribeshill.	Montgomery.	268	10	63.8	-	92	2	34	15	35	2.10	-	1.30	0	4	15	8	7	sw.	David B. Plum.	
Troy.	Rensselaer.	0	63.8	-	92	2	34	15	35	3.28	-0.29	2.20	0	7	15	5	7	sw.	W. E. Young.		
Utica.	Oneida.	537	47	61.0	-2.0	89	2 ⁺	34	15	34	4.11	-1.22	0.92	0	9	18	7	5	sw.	H. B. Fullerton.	
Wading River.	Suffolk.	112	7	62.7	-2.1	82	8	36	15	29	2.58	-1.42	0.92	0	10	14	8	8	ne.	H. C. Townsend.	
Wappingers Falls.	Dutchess.	110	23	61.4	-2.1	82	8	36	15	30	4.76	-1.28	1.62	0	7	15	5	8	sw.	John W. Sly.	
Warwick.	Orange.	538	19	61.0	-0.7	95	3	25	15	48	2.53	-0.45	1.60	0	6	11	6	13	n.	J. F. Shoemaker.	
Waverly.	Adams.	824	31	61.0																	

TABLE 1.—Climatological data for September, 1913. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.			Highest.	Date.	Lowest.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unadjusted.	Number of rainy days, 0.01 inch or more.				
					Highest.	Date.	Lowest.													
Pennsylvania—Contd.																				
Philadelphia.	Philadelphia.	117	42	67.0	-0.4	89	5	48	15	22	4.24	+0.86	1.74	0	11	7	13	10	ne.	
Reading.	Berks.	280	40	64.6	-1.8	91	5	42	16	28	5.37	+1.94	2.13	0	11	9	7	14	se.	
Scranton.	Lackawanna.	805	13	62.4	+0.2	88	4	37	15	34	3.87	+1.01	3.10	0	9	10	0	22	s.	
Selinsgrove.	Snyder.	455	25	63.8	-1.0	94	5	34	23	40	3.41	-0.05	2.10	0	7	0	8	8	nw.	
Spring Mount.	Montgomery.	155	24																	
State College.	Montgomery.	155	24																	
Stroudsburg.	Center.	1,191	25	68.4	-4.5	88	5	33	25	36	2.29	-0.54	1.14	0	9		12		nw.	
Towanda.	Monroe.	425	3	61.9	-1.3	90	3	43	15	41	2.80	-0.13	1.70	0	8	12	10	8	sw.	
West Chester.	Bradford.	754	18	61.3	+0.8	90	5	43	23	29	3.29	-1.06	1.39	0	12	9	11	10	s.	
Williamsport.	Chester.	455	59	66.0	-0.6	90	7	37	23	36	4.55	+1.34	3.62	0	5	18	2	10	se.	
	Lycoming.	530	23	63.4															Henry H. Guise.	
New Jersey.																				
Ashbury Park.	Middlesex.	22	25	64.6	-2.3	86	8	49	23	28	2.52	-0.72	0.61	0	9	9	9	12	ne.	
Atlantic City.	Atlantic.	16	40	66.8	-0.8	86	8	46	22	20	3.10	+0.05	1.79	0	9	7	14	9	e.	
Bayonne.	Hudson.	50	23	65.0	-1.8	88	8	42	15	26	3.87	-0.02	1.28	0	11	13	5	12	s.	
Belvidere.	Warren.	289	22	63.4	-1.7	84	41	38	16	34	4.48	+2.56	2.50	0	7	22	4	4	sw.	
Bergen Point.	Hudson.	37	16	64.6	-2.1	86	8	44	15	25	3.73	-0.80	1.15	0	9	14	11	5	se.	
Boonton.	Morris.	239	23												10				Joseph White.	
Bridgeton.	Cumberland.	30	32	67.4	-0.8	91	47	42	23	31	5.23	+1.42	2.20	0	5	17	3	10	ne.	
Burlington.	Burlington.	12	27	65.8	-1.8	90	5	49	18	34	4.82	+0.90	1.56	0	8	18	7	5	sw.	
Cape May City.	Cape May.	17	35	67.8	-1.2	87	8	48	16	22	1.56	-1.44	0.94	0	10	6	20	4	ne.	
Charlotteburg.	Passaic.	719	21	60.6	-1.7	86	4	27	16	41	5.30	+0.62	1.81	0	6	14	11	5	se.	
Chatham.	Morris.	234	11												10				George S. Briggs.	
Clayton.	Gloucester.	126	20	64.6	-2.1	88	17	40	16	30	5.03	+1.01	1.54	0	8	18	1	11	sw.	
Culvers Lake.	Sussex.	848	12												11	17	4	9	e.	
Dover.	Morris.	600	29	59.7	-2.9	82	37	32	16	33	2.60	-1.88	1.25	0	10	5	13	12	se.	
Elizabeth.	Union.	45	34	64.4	-2.6	87	8	38	16	31	3.35	-0.71	1.00	0	7	15	7	8	w.	
Flemington.	Haddonfield.	140	25	65.3	+0.2	88	17	39	16	34	4.58	+0.60	1.72	0	11	14	8	8	deats.	
Hammonton.	Camden.	75	26	65.4	-0.6	88	5	42	16	28	7.62	+0.02	1.46	0	11	7	15	8	w.	
Highwood.	Atlantic.	103	15												8				G. F. Lenz.	
Imlaystown.	Bergen.	90	26	61.7	-2.5	84	8	36	16	30	3.37	-0.79	1.08	0	8	10	6	14	nw.	
Indian Mills.	Middlesex.	185	25	64.6	-2.5	96	8	49	23	36	2.98	-1.33	0.75	0	7	15	8	7	e.	
Jersey City.	Burlington.	76	24	65.4	-0.7	92	5	36	16	37	4.42	+0.25	1.26	0	12	11	12	7	sw.	
Little Falls.	Hudson.	10	15	65.4	-1.8	87	8	45	16	23	4.63	+0.92	2.25	0	10	12	4	13	ne.	
Passaic.	Monmouth.	175	11												10	15	2	13	w.	
Long Branch.	Monmouth.	25	6	64.0		88	8	43	23	25	3.68		1.43	0	12	10	8	12	w.	
Mahwah.	Bergen.	312	11												8				William D. Martin, Jr.	
Moorestown.	Burlington.	75	51	65.1	-0.9	90	5	41	16	32	3.74	-0.02	1.11	0	10	15	9	6	se.	
Newark.	Essex.	159	70	65.4	-0.5	87	41	44	15	28	3.15	-0.63	1.34	0	11	15	6	10	nw.	
New Brunswick.	Middlesex.	139	60	63.2	-2.8	86	37	35	16	29	3.09	-0.76	0.71	0	10	15	4	11	ne.	
Newton.	Sussex.	678	34	61.8	-1.8	86	2	35	15	37	4.33	-0.26	1.26	0	8	13	3	12	sw.	
Northfield.	Atlantic.	25	6												9				Charles J. Bates.	
Paterson.	Passaic.	80	42	64.4	-1.4	87	4	40	16	32	2.84	-1.60	0.79	0	7	9	13	8	de.	
Phillipsburg.	Warren.	363	23	64.5	-0.9	89	4	38	16	35	3.15	-0.64	1.25	0	9	16	10	4	w.	
Plainfield.	Union.	100	27	64.2	-1.0	88	8	40	14	31	3.44	-1.01	1.23	0	12	9	11	10	sw.	
Pleasantville.	Atlantic.	26	15												9				John Neagle.	
Pompton Plains.	Morris.	195	11												10				Lincoln Van Gilder.	
Somerville.	Somerset.	60	30	61.6	-0.7	91	3	35	16	37	2.65	-1.01	0.86	0	9	17	4	9	se.	
South Orange.	Essex.	200	43	63.0	-1.1	86	4	40	16	20	2.95	-1.14	1.04	0	8				Dr. A. Macdonald.	
Sussex.	Sussex.	442	23	61.8	-2.1	89	4	32	16	41	3.27	-0.64	1.50	0	6	11	5	14	sw.	
Trenton.	Mercer.	190	42	65.2	-2.0	90	5	44	15	25	4.66	+0.72	1.44	0	11	9	7	14	george Dymock.	
Vineland.	Cumberland.	118	44	66.6	-0.3	91	5	42	16	34	6.41	+2.57	2.20	0	7	13	12	5	nw.	
Woodbine.	Cape May.	43	22	66.1	-0.2	86	51	40b	16	38b	3.65	-0.38	0.95	0	10				Alfred Chalmers.	
																		Prof. R. D. Maltby.		
West Virginia.																				
Bayard.	Grant.	2,500	11	57.6	-3.3	90	2	36	23	50a	3.68	+0.48	1.50	T.	8	15*	7*	7*	w.	
Burlington.	Mineral.	875	19	62.1	-3.0	93	6	30	23	45	2.15	-0.82	1.25	0	3	10	12	8	w.	
Franklin.	Pendleton.	7																	Solomon Clark.	
Lost City.	Hardy.	7	61.2																J. W. Vandiver.	
Martinsburg.	Berkeley.	435	21	64.6	-2.1	94	51	31	23	41	2.89	+0.26	1.51	0	5	20	5	5	sw.	
Moorefield.	Hardy.	900	18																B. D. Hinegardner.	
Romney.	Hampshire.	824	17																G. W. Van Metre, C. E.	
Upper Tract.	Pendleton.	1,230	15	62.2	-4.4	94	6	33	14	45	3.39	+1.24	2.25	0	4	5	20	5	w.	
Maryland.																				
Annapolis.	Anne Arundel.	45	41	71.4	+1.7	91	20	48	23	29	3.22	-1.78	1.80	0	7	9	8	13	se.	
Baltimore.	Baltimore.	115	43	68.4	-0.2	92	7	47	23	25	1.51	-2.34	1.16	0	7	9	13	8	se.	
Cambridge.	Dorchester.	25	15	71.8	+1.0	95	7	41	23	33	2.75	-0.81	0.55	0	8	10	15	5	nw.	
Cheltenham.	Prince Georges.	230	16	67.2	-0.8	90	61	36	23	34	3.35	+0.13	1.10	0	6	16	6	8	sw.	
Chestertown.	Kent.	80	27	69.2	+1.5	92	4	43	16	31	1.90	-1.87	0.86	0	6	14	16	4	se.	
Chewsville.	Washington.	530	16	64.8	-1.7	94	5	34	23	45	3.23	+0.83	1.48	0	8	13	13	4	sw.	
Clear Spring.	do.	650	15	63.6	-2.3	94	5	36	23	35	2.54	+0.18	0.88	0	6	14	11	5	sw.	
College Park.	Kent.	80	13	65.8	-0.7	90	47	46	23	38	2.14	-1.86	0.99	0	6	21	3	8	sw.	
Cumberland.	Prince Georges.	170	22	66.6	-1.5	92	7	36	23	42	2.23	-1.25	1.50	0	4	13	9	8	nw.	
Alleghany.	Caroline.	623	39	6																

TABLE 1.—*Climatological data for September, 1913. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Sky.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.								
<i>Maryland—Continued.</i>																						
Salisbury.....	Wicomico.....	23	8	60.3*	—	93*	6	40	23	36*	2.82	—	1.16	0	10	13	16	1	e.	W. E. Downing.		
Solomons.....	Calvert.....	20	22	71.7	—	0.1	94	7	50	23	29	1.82	—	0.90	0.81	0	8	8	14	e.	Dr. W. H. Marsh.	
State Sanatorium.....	Frederick.....	1,460	6	64.4	—	90	5	40	23	26	3.05	—	1.75	0	4	20	4	6	e.	Superintendent.		
Sudlersville.....	Queen Anne's.....	65	15	67.6	—	0.9	91	7	41	23	34	4.01	—	0.47	1.26	0	8	15	7	e.	Henry L. Higman.	
Takoma Park.....	Montgomery.....	320	15	66.0	—	1.2	88	7	40	23	29	2.71	—	1.64	1.05	0	5	0	23	7	L. M. Mooers.	
Towson.....	Baltimore.....	465	5	70.4	—	91b	7	38*	23	35b	2.10	—	1.54	0	5	19	8	3	se.	C. W. E. Treadwell.		
Van Biddle.....	Harford.....	100	16	65.4	—	1.9	88	7†	39	15†	34	2.49	—	2.19	2.10	0	4	19	3	se.	W. Benj. Ford.	
Westernport.....	Allegany.....	1,000	19	66.6	—	0.2	102	6	32	23	49	3.19	+ 0.77	1.84	0	7	4	19	3	se.	Prof. O. H. Bruce.	
Westminster.....	Carroll.....	860	20	66.6	—	102	6	32	23	49	3.19	+ 0.77	1.84	0	7	4	19	3	se.	Prof. G. F. Morelock.		
Woodstock.....	Baltimore.....	392	43	67.2	+ 1.5	88	7	41	23	28	1.67	—	1.99	1.45	0	4	16	7	7	se.	Rev. J. F. Dawson, S. J.	
<i>Delaware.</i>																						
Delaware City.....	New Castle.....	10	6	67.4	—	90	5	45	23	25	3.21	—	0.14	1.18	0	6	17	8	5	n.	H. Morton Price.	
Dover.....	Kent.....	40	25	68.6	+ 0.8	90	4†	41	23	32	3.83	—	0.13	1.85	0	9	12	9	9	e.	W. C. Josting.	
Milford.....	do.....	20	29	68.0	—	0.1	88	5	42	23	28	4.48	+ 0.44	2.56	0	9	11	13	6	ne.	C. J. Holtzmueller.	
Millsboro.....	Sussex.....	20	21	68.5	—	0.1	88	5	48	23	31	3.42	+ 0.09	0.88	0	7	21	4	5	se.	Rev. L. W. Wells.	
Seaford.....	do.....	40	22	67.6	—	0.8	88	6	42	23	27	5.28	+ 2.10	1.86	0	11	15	11	4	s.	E. B. Brown.	
Wilmington.....	New Castle.....	86	2	68.5	—	91	5	47	23	27	3.33	—	0.01	1.43	0	6	21	7	2	nw.	A. J. Taylor.	
<i>District of Columbia.</i>																						
Washington.....	Dist. Columbia.....	112	43	67.4	—	0.7	93	7	40	23	30	2.41	—	1.18	1.05	0	6	9	9	12	s.	U. S. Weather Bureau.
<i>Virginia.</i>																						
Culpeper.....	Culpeper.....	450	5	65.6	—	91	6†	35	23	38	1.99	—	0.62	0	7	13	14	3	s.	Col. H. C. Burrows.		
Dale Enterprise.....	Rockingham.....	1,350	34	64.8	—	1.8	94	6	33	23	42	1.57	—	1.97	0.68	0	7	11	10	9	s.	Rev. L. J. Heatwole.
Eastville.....	Northampton.....	15	3	70.4	—	0.8	91	7	44	23	31	1.71	—	1.97	0.83	0	5	13	14	3	sw.	T. D. Robertson.
Fredericksburg.....	Spotsylvania.....	100	24	67.3	—	1.9	92	6†	39	23	31	3.30	+ 0.09	1.39	0	8	17	9	4	s.	S. G. Howison.	
Lincoln.....	Loudoun.....	500	12	65.4	—	2.4	92	6†	35	23	45	2.08	—	0.96	1.71	0	5	19	8	3	nw.	Dr. Geo. Roberts.
Mount Weather.....	do.....	1,726	9	62.8	+ 0.4	85	6	41	14	21	3.80	—	0.05	1.31	0	9	11	7	12	se.	U. S. Weather Bureau.	
Quantico.....	Prince William.....	16	16	65.7	—	2.7	90	7	35	23	31	2.47	—	1.36	0	4	23	2	5	ne.	R. F. & P. R. R.	
Staunton.....	Augusta.....	1,380	21	65.4	—	2.7	90	6†	35	23	38	1.89	—	1.41	0.80	0	7	14	9	9	se.	Ernest Nothnagel.
Swetnam.....	Fairfax.....	300	1	68.4*	—	1.2	89	7	40	23	31	2.34	—	1.00	0	5	20	6	4	s.	Potomac Electric Power Co.	
Warsaw.....	Richmond.....	169	21	68.4*	—	1.2	89	7	40	23	31	4.00	+ 1.49	2.10	0	5	10	17	3	s.	O. H. Constable.	
Waynesboro.....	Augusta.....	1,315	1	65.6	—	94	5†	38	23	39	—	—	—	0	—	19	1	10	sw.	H. M. Magie.		
Winchester.....	Frederick.....	717	2	65.6	—	92	6	35	14	35	2.20	—	1.40	0	2	16	4	10	w.	Bently Kern.		
Woodstock.....	Shenandoah.....	927	17	66.8	—	0.9	95	6	38	23	43	1.39	—	1.22	0.80	0	5	16	10	4	w.	Mrs. A. G. Artz.

*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for September, 1913. District No. 1, North Atlantic States.*

TABLE 2.—*Daily precipitation for September, 1913. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total		
Rhode Island—Con.																																		
Kingston.	Coast.																																	3.12
Narragansett Pier.	do.																																3.08	
Pawtucket.	do.																																2.62	
Providence.	do.																																2.90	
Walton Lake.	do.																																2.93	
Connecticut.																																		
Bridgeport.	Coast.																																	3.12
Canton.	Connecticut.																																4.23	
Colchester.	Coast.																																3.54	
Cream Hill.	Housatonic.																																3.81	
Danleison.	Coast.																																3.27	
Falls Village.	Housatonic.																																3.74	
Hartford.	Connecticut.																																3.56	
Hawleyville.	Housatonic.																																3.80	
Lake Konomoc.	Coast.																																5.40	
New Haven.	do.																																2.52	
New London.	do.																																4.13	
N. Grosvenor Dale.	do.																																3.98	
Norwalk.	do.																																3.58	
Southington.	do.																																3.95	
South Manchester.	Connecticut.																																3.84	
Storrs.	Coast.																																2.60	
Torrington.	Housatonic.																																4.13	
Vonntown.	Coast.																																3.15	
Wallingford.	do.																																2.37	
Waterbury.	Housatonic.																																3.37	
New York.																																		
Addison.	Susquehanna.																																1.76	
Albany.	Hudson.																																1.79	
Alfred.	Susquehanna.																																1.60	
Amsterdam.	Mohawk.																																2.08	
Athens.	Hudson.																																2.02	
Ballston Lake.	Hudson.																																2.49	
Bedford.	Coast.																																4.35	
Bearston.	T.																																2.71	
Binghamton.	Delaware.																																3.18	
Bouckville.	do.																																4.46	
Carmel.	Hudson.																																3.04	
Chatham.	do.																																2.73	
Cooperstown.	Susquehanna.																																2.27	
Corinth ||.	Hudson.																																2.35	
Cortland.	Susquehanna.																																2.96	
Cutchogue.	Coast.																																2.30	
De Ruyter.	Susquehanna.																																2.27	
Elmira.	do.																																2.27	
Glens Falls.	Hudson.																																2.02	
Gloversville.	Mohawk.																																2.89	
Greene.	Susquehanna.																																3.07	
(Greenfield Center.	Hudson.																																2.04	
Hancock ||.	do.																																2.55	
Haskinville.	Susquehanna.																																1.37	
[Hoosick Falls ||.	Hudson.																																2.73	
Indian Lake.	do.																																3.46	
Jeffersonville.	Delaware.																																4.78	
Liberty.	do.																																2.23	
Little Falls.	Mohawk.																																4.05	
Mechanicsville ||.	Hudson.																																2.57	
Mohonk.	do.																																2.92	
Morhouseville.	Mohawk.																																8.46	
Morrisville.	Susquehanna.																																1.81	
Mount Hope.	Coast.																																2.73	
Mount McGregor.	Hudson.																																2.27	
Newark Valley.	Susquehanna.																																2.00	
New Berlin ||.	do.																																2.00	
New Lisbon.	do.																																2.54	
New York City.	Coast.																																2.95	
North Creek.	Hudson.																																2.35	
Northville ||.	do.																																4.13	
Oneonta.	Susquehanna.																																3.79	
Oxford.	do.																																3.20	
Port Jervis.	Delaware.																																2.58	
Roslyn.	Coast.																																2.01	
Salisbury.	Mohawk.																																2.35	
Scarsdale.	Coast.																																2.10	
Netauket.	do.		</td																															

TABLE 2.—*Daily precipitation for September, 1913. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total.					
Pennsylvania—Con.																																					
Browers Lock.	Schuylkill.			T.		.54		.10											.90		.74											2.28					
Catawissa.	Susquehanna.	.38		T.	T.	.12		.26											.30	.14	.05	2.64										4.10					
Center Hall.	do.					.08		.29	.18										.00	.00												T. 10	1.78				
Coatesville.	Coast.			.25	.25			.62										.10		.46	.37	.07	1.20	.05									2.76				
Doylestown.	Schuylkill.			.27		T.													.40		.05	.40	.35	.40	2.10	.40								5.34			
Drifton.	Susquehanna.																				.54		.42	.30	T. 1.00	.12								4.39			
Emporium.	do.																																	T. 19	1.85		
Everett.	Juniata.			T.	T.	.16												.07		.20														2.17			
Forks of Neshaminy.	Delaware.	1.67	.73					.40																										6.28			
George School.	do.	.07	.90			.37												.05	.18			.66											3.91				
Gettysburg.	Potomac.			T.	T.	.45		.03	.04									.05	.14			.05	.07	.04	.02	.02	.02						2.53				
Girardville.	Susquehanna.			.08		T.												.30			.60	.10	.33	154.42									6.15				
Gordon.	do.																																	5.15			
Hamburg.	Schuylkill.					.10	1.29		.17									.64															4.12				
Hanover.	Susquehanna.					T.																											T. 03	3.94			
Harrisburg.	do.			T.		.04	.04	T.	.01									.03	.05			.02										2.29					
Huntingdon.	Huntingdon.			T.																T.														2.28			
Hyndman.	Potomac.			T.		.12		.40										.05															T. T.	2.80			
Kennett Square.	Coast.																																	2.33			
Lancaster.	Susquehanna.					T.		3.85	.50									.50															8.43				
Leadsdale.	Schuylkill.	.13	.70					.38																									5.55				
Lawrenceville.	Susquehanna.					.30		.50																								3.60					
Le Roy.	do.							.03																									3.31				
Lewisburg.	do.							.19	.01																							2.68					
Lloyd.	do.																																2.40				
Lock Haven.	do.																																	3.21			
Marion.	Potomac.			.01		.06		.06																								3.15					
Mauch Chunk.	Lehigh.	.01	.57	.02																													4.38				
Mifflintown.	Juniata.	.04							.45	.03																							5.16				
Mifflord.	Delaware.			.02	.03	.20		.13																								2.73					
Montrose.	Susquehanna.			T.	T.	.06																											3.67				
Mountain House.	Juniata.																																	2.18			
Mount Gretna.	Susquehanna.	T.	T.	T.	.05	T.		.41	.08									.03	.10	T.												3.61					
New Germantown.	do.																																2.47				
Ottsville.	Delaware.			.31	.81	.02		.70	.35																						4.26						
Philadelphia.	do.			T.		.01	T.	.68	T.																							T. 01	4.24				
Poind Pleasant.	do.	2.34	.11			.58		.35																								6.65					
Pottsville.	Schuykill.	.01	.21	.04	T.																												4.71				
Reading.	do.			.32	.10	T.		.16	.21																							5.37					
Renovo ||.	Susquehanna.																																	1.89			
Scranton.	do.																																	3.87			
Seabrooksville.	Schuykill.			.05	.46	.04		.21	.19																								4.62				
Selinsgrove.	Susquehanna.	.02																																3.41			
Shawmont.	Schuykill.			.02	.15			.10	.25																							3.91					
Shippenburg ||.	Susquedanna.	.01																															3.34				
Smiths Corners.	Schuykill.			1.59	.07			.75	.17																						6.30						
Spring Mount.	do.			.06	.21			.15	.16	.08																					2.81						
State College.	Susquehanna.																																2.29				
Stroudsburg.	Delaware.			.16	.48			.03																								4.57					
Sunbury.	Susquehanna.																																3.18				
Towanda.	do.																																4.42				
Weikert.	do.			.07																													4.42				
West Chester.	Coast.																																3.29				
Wilkes-Barre ||.	Susquehanna.			.33	.10			.04																								4.70					
Williamsport ||.	do					.05		.47																								4.55					
New Jersey.																																					
Asbury Park.	Coast.			.08	T.	T.	.59											T.	.04	.22															2.52		
Atlantic City.	do.			.02																													3.10				
Bayonne.	do.																																3.87				
Belvidere.	Delaware.	1.45																															6.48				
Bergen Point.	Coast.			T.		1.16	.03	T.										T.		.38												3.73					
Boonton.	Passaic.					.12	.04	.01	.06																						2.88						
Bridgeton.	Coast.			.28																													5.23				
Burlington.	Delaware.			T.																													T. 03	4.82			
Cape May City.	Coast.			.01																													1.56				
Charlottesville.	Passaic.			1.81																													5.30				
Clayton.	do.																																6.65				
Culver's Lake.	Delaware.			.09																													3.30				
Dover.	Passaic.																																				

TABLE 2.—*Daily precipitation for September, 1919. District No. 1—Continued.*

* Precipitation included in that of the next measurement.

[†] Separate dates of falls not recorded.
Precipitation for the 24 hours ended in

Precipitation for the 24 hours ending on the morning when it is measured.
Precipitation is less than 0.01 inch rain or melted snow.

1. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1913. District No. 1, North Atlantic States.

Date.	Maine.												Concord, N. H.	Massachusetts.								Provi- dence, R. I.	Connecticut.					
	Eastport.	Greenville.		Orono.		Portland.		Presque Isle.		Rumford Falls.				Amherst.		Boston.		Middle- boro.		Nantucket.			Cream Hill.	Hartford.				
		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.		Min.	Max.	Min.		
1....	73	52	79	49	82	52	77	60	80	52	84	54	86	60	84	66	83	59	73	65	77	68	82	59	84	66		
2....	77	54	84	48	86	54	72	57	84	54	87	58	88	66	83	64	84	56	79	64	80	62	83	61	87	61		
3....	81	54	85	62	90	54	84	66	84	53	92	59	91	57	86	64	88	65	76	66	84	65	80	56	83	66		
4....	82	50	86	46	89	49	74	56	64	48	71	52	72	54	71	58	74	58	74	59	72	57	81	58	76	60		
5....	61	48	67	41	71	44	66	55	61	38	72	49	64	53	60	54	62	55	60	55	60	55	69	44	60	59		
6....	64	47	71	37	71	41	71	52	72	30	75	42	76	50	79	50	70	54	72	43	72	55	74	53	72	47	77	56
7....	68	48	79	39	75	43	68	54	80	41	80	48	72	47	68	57	75	58	73	43	71	55	67	50	69	59	78	56
8....	68	55	73	54	75	60	83	62	74	56	80	60	85	59	83	59	86	65	83	65	74	64	84	64	80	62	78	62
9....	56	48	59	44	69	48	62	49	60	40	60	42	63	44	66	43	65	50	75	53	67	57	64	48	66	50	64	50
10....	57	44	60	35	60	34	62	44	62	26	64	36	66	36	70	38	60	46	60	39	58	49	62	44	63	38	65	45
11....	53	43	53	40	62	42	56	44	59	40	53	43	62	35	70	36	60	47	65	38	60	48	65	42	64	39	67	45
12....	62	45	60	36	61	37	60	46	63	33	64	44	67	47	70	46	65	55	65	43	62	51	63	49	69	45	72	48
13....	55	50	55	40	62	44	67	50	60	35	61	48	70	47	70	48	73	52	73	52	70	56	71	50	60	43	71	51
14....	54	43	52	38	54	40	61	42	55	45	54	38	58	38	64	38	65	34	61	52	62	44	61	36	62	45	64	38
15....	60	42	59	38	61	30	61	39	62	32	63	36	65	28	68	31	59	41	61	30	59	47	62	39	62	35	64	38
16....	67	44	72	32	69	29	63	41	74	27	68	34	70	32	74	32	65	46	68	30	62	47	68	42	65	39	71	39
17....	60	46	68	34	72	37	64	46	68	36	68	39	72	38	75	47	74	52	68	34	69	50	70	47	62	46	71	49
18....	62	53	58	48	67	55	74	56	64	33	68	56	74	55	73	59	77	77	62	73	64	76	57	70	59	76	60	60
19....	55	49	61	42	63	46	56	53	67	32	61	54	56	54	59	54	58	55	66	55	59	56	62	48	60	54	60	54
20....	60	51	64	39	69	48	57	52	71	37	58	54	57	52	61	54	59	56	65	56	59	61	54	68	58	62	53	53
Mns..	61.8	47.5	64.7	42.2	69.4	44.2	66.1	50.5	67.1	39.3	67.6	46.4	70.1	46.6	71.8	48.4	69.9	54.1	70.4	47.8	67.2	55.9	68.9	52.0	68.8	47.0	70.7	52.2

Date.	New Haven, Conn.												Everett.	Pennsylvania.												Atlantic City, N. J.	
	Addison.		Albany.		Bingham- ton.		Indian Lake.		Little Falls.		New York.			Harris- burg.		Philadelphia.		Scranton.		State College.		Wellsboro.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	78	68	89	49	86	61	85	57	85	39	85	55	81	68	86	47	84	64	84	69	85	60	84	55	.....	76	68
2....	79	63	95	48	89	65	89	60	90	42	90	61	88	68	84	66	82	70	88	61	87	57	.....	77	71		
3....	82	70	98	56	87	67	90	59	91	47	92	61	83	70	85	55	85	68	82	70	81	61	84	55	.....	79	72
4....	84	62	86	59	73	52	83	64	82	45	79	54	84	69	86	79	85	69	88	72	88	63	85	55	.....	81	74
5....	62	59	81	59	65	53	74	63	78	46	70	53	70	62	88	62	92	70	89	67	88	65	85	55	.....	81	73
6....	71	58	90	58	79	59	80	63	83	35	71	54	70	62	90	58	72	66	70	65	75	64	80	55	.....	74	72
7....	71	60	90	68	72	64	80	67	79	43	71	59	74	66	88	68	82	70	77	65	85	57	80	57	.....	80	72
8....	88	65	84	60	83	61	79	59	70	56	75	60	88	68	86	50	85	67	86	70	81	60	80	64	.....	86	68
9....	88	50	70	50	64	48	64	45	63	41	66	44	68	57	80	68	83	70	76	66	86	51	77	52	.....	73	58
10....	68	46	71	37	60	40	69	34	69	25	69	36	66	52	71	35	68	63	72	66	69	42	70	36	.....	68	52
11....	71	48	85	45	71	47	70	47	67	30	64	45	67	53	77	34	78	47	74	55	68	48	70	41	.....	74	50
12....	70	52	76	47	72	52	75	52	69	36	69	46	68	56	69	43	68	66	70	60	74	54	68	48	.....	73	68
13....	72	53	77	43	69	48	63	46	65	42	62	45	71	54	65	47	69	57	69	55	62	62	36	.....	74	50	
14....	62	45	70	30	61	44	60	39	49	33	58	34	62	47	69	33	64	46	65	50	60	41	61	36	.....	68	54
15....	63	40	75	29	65	35	66	29	63	20	62	29	64	48	68	40	67	45	65	48	66	37	66	35	.....	65	54
16....	66	41	75	30	70	37	73	37	69	21	70	35	64	52	67	45	66	66	71	50	70	40	64	38	.....	67	54
17....	70	50	67	53	70	55	64	55	67	41	64	50	73	59	67	43	68	65	74	60	71	56	63	36	.....	73	66
18....	78	62	70	45	70	56	62	55	60	49	63	53	76	62	67	59	70	63	76	64	66	66	41	.....	76	66	
19....	62	55	69	48	59	57	65	55	56	47	60	51	63	57	65	55	63	57	64	60	61	56	65	52	.....	69	64
20....	64	54	72	46	67	56	69	59	60	42	66	52	66	57	65	58	66	58	65	59	67	65	53	.....	69	65	
21....	71	63	73	53	74	60	78	55	65	54	75	56	71	65	66	42	80	56	63	78	56	66	55	.....	74	68	
22....	72	56</																									

TABLE 3.—*Maximum and minimum temperatures at selected stations for September, 1913. District No. 1—Continued.*

Date.	New Jersey.								Martinsburg, W. Va. ^{##}	Maryland.								Millsboro, Del.	Washington, D. C.	Virginia.									
	Bridgeton.		Phillipsburg.		Sussex.		Trenton.			Baltimore.		Darling-ton.		Frederick.		Western-port.					Fredericksburg.		Staunton. ^{##}		Woodstock.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.	Max.	Min.				
1....	90	65	86	61	85	58	86	68	89	59	85	69	79	65	89	60	91	48	84	63	85	67	86	61	88	57	92	59	
2....	80	66	88	63	88	59	83	67	86	63	82	69	86	65	86	63	93	59	83	73	82	68	82	61	85	60	86	60	
3....	87	66	86	68	81	66	87	68	85	66	84	71	83	65	83	66	88	55	84	72	82	70	80	69	77	60	81	62	
4....	91	70	89	66	89	63	88	71	92	68	86	74	88	60	92	69	92	68	81	72	89	72	87	67	83	68	90	68	
5....	91	72	87	63	71	59	90	63	94	65	90	72	88	68	97	65	100	60	98	71	88	67	88	62	95	63	95	63	
6....	80	69	74	61	68	60	68	62	94	65	84	72	78	65	91	67	102	62	87	70	92	70	92	61	90	64	98	65	
7....	89	70	86	63	72	63	84	66	92	71	92	73	88	66	96	70	90	67	87	72	93	75	92	67	90	65	97	66	
8....	87	68	87	65	84	65	85	68	88	68	89	73	83	66	90	70	85	64	86	72	86	73	88	71	82	64	86	69	
9....	76	57	80	60	75	50	71	54	78	55	75	60	79	56	77	53	90	51	76	62	74	57	79	63	78	61	80	57	
10....	71	46	70	41	70	36	69	48	74	46	70	53	70	45	77	43	82	44	67	54	70	51	71	59	72	41	75	41	
11....	77	48	74	46	63	44	73	52	80	41	78	54	77	44	83	43	76	39	76	45	77	47	79	41	80	42	85	42	
12....	76	58	69	54	68	45	70	57	72	45	75	59	70	54	74	51	70	47	81	55	77	57	85	53	85	59	84	50	
13....	78	60	71	55	70	53	71	54	72	54	75	59	71	64	77	57	77	52	75	60	74	60	74	62	75	58	75	56	
14....	65	46	67	41	63	41	65	46	68	45	65	51	66	44	68	43	68	37	65	49	63	48	66	49	66	44	67	40	
15....	71	44	67	39	66	35	64	44	72	43	69	49	67	52	73	40	70	41	69	51	69	47	66	44	73	38	73	38	
16....	74	44	73	38	73	32	70	45	70	42	69	51	68	42	71	48	70	53	72	71	67	53	69	56	67	54	71	55	
17....	76	55	75	50	74	50	74	55	73	50	74	59	73	51	77	54	63	49	79	58	75	58	74	57	71	53	74	63	
18....	78	64	76	62	74	62	77	62	75	57	76	65	74	62	80	62	77	59	81	68	73	63	71	62	69	61	75	63	
19....	70	64	62	55	65	54	62	57	68	60	70	63	68	58	73	60	66	59	78	67	70	65	73	64	75	60	72	62	
20....	70	60	64	56	64	55	65	56	69	50	70	61	67	57	69	61	66	59	75	66	70	62	75	60	77	62	74	63	
21....	78	65	70	61	78	60	77	65	73	61	79	58	78	58	84	59	66	54	79	64	80	56	77	60	67	56	73	56	
22....	74	57	72	56	71	58	69	50	62	47	67	53	71	40	68	50	60	42	71	56	66	45	65	51	58	41	65	44	
23....	70	42	69	41	69	39	65	45	67	31	68	47	70	44	68	36	81	32	69	44	66	40	67	39	69	35	74	36	
24....	75	44	73	42	74	33	72	49	72	31	75	50	73	37	74	40	83	37	73	46	74	44	72	44	74	40	78	39	
25....	77	50	78	48	81	43	79	51	78	40	76	65	74	47	81	45	89	42	76	48	79	49	77	47	80	43	85	44	
26....	81	50	79	51	77	49	76	54	82	41	80	57	75	49	83	49	95	48	78	52	80	55	79	51	83	48	88	45	
27....	69	56	68	52	68	48	68	54	68	49	69	57	69	55	71	56	72	53	71	57	69	51	70	58	71	59	77	43	
28....	74	45	71	41	70	36	71	47	72	41	69	52	69	44	74	41	81	39	75	47	73	46	73	45	73	45	70	40	
29....	77	50	73	47	74	44	78	52	74	43	76	59	71	50	78	53	77	54	81	56	80	59	82	59	77	59	79	55	
30....	79	62	75	57	78	52	78	58	79	52	78	64	78	57	80	57	87	60	83	65	81	63	80	62	81	58	85	47	
Mns.	77.7	57.1	75.6	53.4	73.3	50.4	74.2	56.3	77.2	51.9	76.5	60.4	74.8	54.3	79.3	54.4	80.2	51.0	77.5	59.5	76.8	58.1	77.5	57.1	76.6	54.2	80.2	53.6	

^{a, b, c, etc.}, indicate, respectively, 1, 2, 3, etc., days missing from the record.^{##} Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.